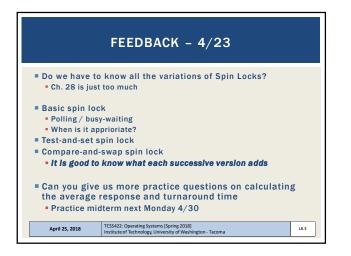
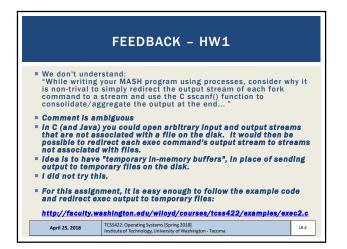
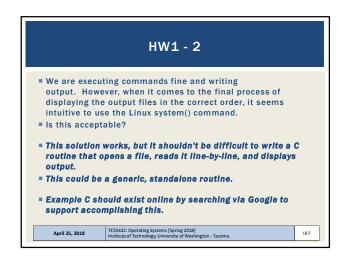
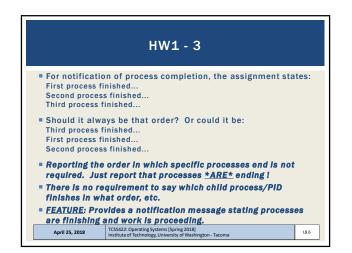


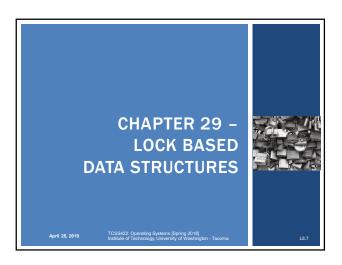
	OBJECTIVES	
Assignment 1	1 - MASH Shell	
Lock Based	Data Structures - Ch. 29	
Condition Va	ariables - Ch. 30	
■Quiz 3 - Loc	k-Based Data Structure Coding Activity	/
April 25, 2018	TCSS422: Operating Systems (Spring 2018) Institute of Technology, University of Washington - Tacoma	L8.2

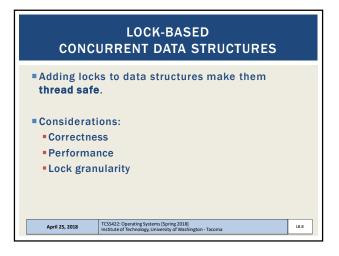


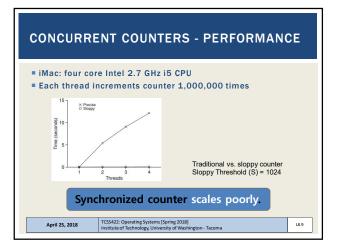


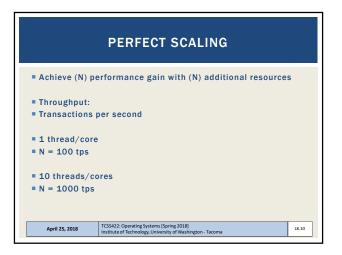


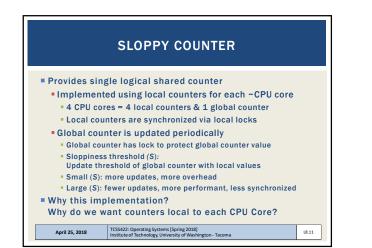


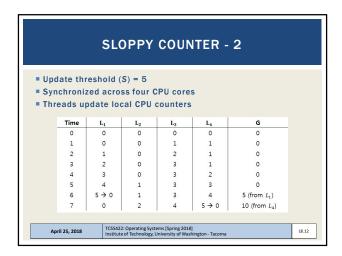


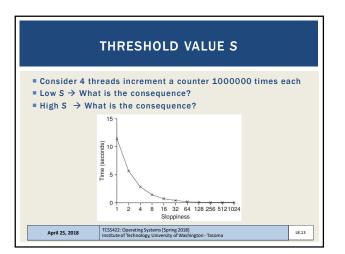




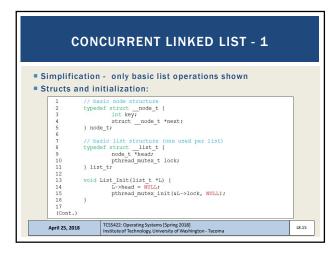


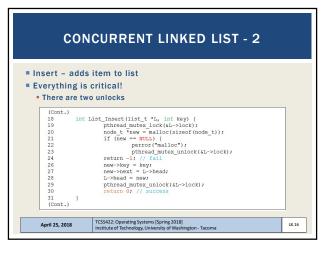


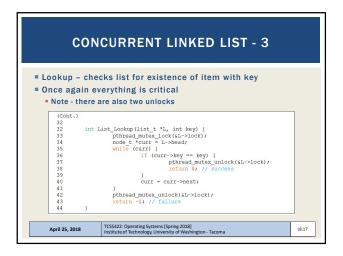


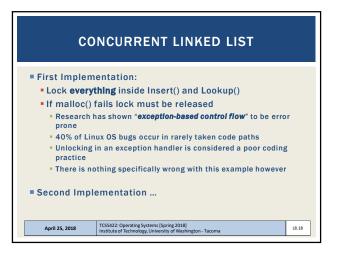


SLO	PPY COUNTER - EXAMPLE	
Example impl	ementation	
Also with CPU	J affinity	
April 25, 2018	TCSS422: Operating Systems [Spring 2018] Institute of Technology, University of Washington - Tacoma	L8.14









CCL - SECOND IMPLEMENTATION			
	- SECOND IMPLEMENTATION		
Init and	Incort		
init anu	Insert		
1	<pre>void List_Init(list_t *L) {</pre>		
2	L->head = NULL;		
3	<pre>pthread_mutex_init(&amp;L-&gt;lock, NULL);</pre>		
4			
5			
6	<pre>void List_Insert(list_t *L, int key) {</pre>		
7	<pre>// synchronization not needed</pre>		
8	<pre>node_t *new = malloc(sizeof(node_t));</pre>		
9	if (new == NULL) {		
10	perror("malloc");		
11	return;		
12	}		
	new->key = key;		
14	// just lock critical section		
10	<pre>pthread mutex lock(&amp;L-&gt;lock);</pre>		
17	ptrread_mutex_lock(&L->lock); new->next = L->head;		
18	I->head = new:		
19	pthread mutex unlock(&L->lock);		
20	penread_mucex_unrock(an->rock);		
20	1		

